

Work Order ID 162746

Monday, June 12, 2017 11:45:34 AM

162746

Page 1

Item ID: D3297-3-0210

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Hose Assembly 21.00"

Stop ***NS2***

Start Date: 6/12/2017 Start Qty: 2.00

2

Cust Item ID:

Required Date: 6/19/2017 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: DAS 21 Date: JUN 12 2017 Tooling: _____ Date: _____
QC: 9-89 Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***
Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3297	Rev D								
100	PURCHASING	0.00							DAS 13 9-89
100									
Purchasing	Memo	0.00							
Purchasing	Create D2729-1 label and include with W/O								
	Issue P/O: <u>36685</u>								
	Hose Assembly as per Dwg D3297								
	Possible Supplier: API								
	Material release note is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging	Ensure Material Release Note is attached								

2x SQ 17-6-19

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Monday, June 12, 2017 11:45:34 AM

Page 2

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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162746

Page 3

Item ID: D3297-3-0210

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Hose Assembly 21.00"

Start Date: 6/12/2017 Start Qty: 2.00

2

Cust Item ID:

Required Date: 6/19/2017 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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140	Identify as per dwg & Stock Location	0.00							
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140

Packaging

Memo

0.00

Packaging

2	DAS	JUN 26 2017
	6	
	9-89	

150	QC21- Final Inspection - Work Order Release	0.00							
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150

QC

Memo

0.00

Quality Control

17/6/27 JF

DAS	
21	JUN 27 2017
9-89	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition			Completed By																		
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Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐																			

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162746

D3297-3-0210

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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2x8077619

DAS

JUN 22 2017

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Loc Code

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160785

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ST003

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JUN 22 2017

DAS

19

8-89

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

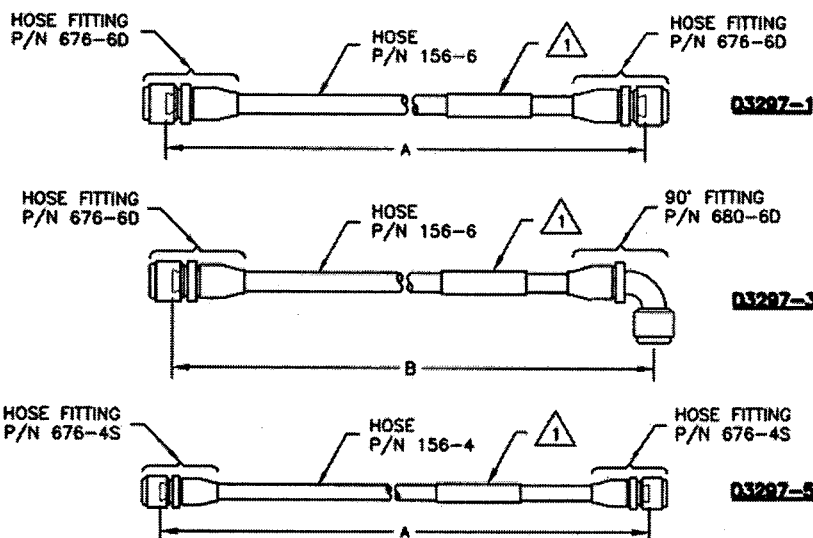
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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
10-1 10-2 10-3 10-4 10-5 10-6 10-7 10-8 10-9 10-10 10-11 10-12 10-13 10-14 10-15 10-16 10-17 10-18 10-19 10-20 10-21 10-22 10-23 10-24 10-25 10-26 10-27 10-28 10-29 10-30 10-31 10-32 10-33 10-34 10-35 10-36 10-37 10-38 10-39 10-40 10-41 10-42 10-43 10-44 10-45 10-46 10-47 10-48 10-49 10-50 10-51 10-52 10-53 10-54 10-55 10-56 10-57 10-58 10-59 10-60 10-61 10-62 10-63 10-64 10-65 10-66 10-67 10-68 10-69 10-70 10-71 10-72 10-73 10-74 10-75 10-76 10-77 10-78 10-79 10-80 10-81 10-82 10-83 10-84 10-85 10-86 10-87 10-88 10-89 10-90 10-91 10-92 10-93 10-94 10-95 10-96 10-97 10-98 10-99 10-100 10-101 10-102 10-103 10-104 10-105 10-106 10-107 10-108 10-109 10-110 10-111 10-112 10-113 10-114 10-115 10-116 10-117 10-118 10-119 10-120 10-121 10-122 10-123 10-124 10-125 10-126 10-127 10-128 10-129 10-130 10-131 10-132 10-133 10-134 10-135 10-136 10-137 10-138 10-139 10-140 10-141 10-142 10-143 10-144 10-145 10-146 10-147 10-148 10-149 10-150 10-151 10-152 10-153 10-154 10-155 10-156 10-157 10-158 10-159 10-160 10-161 10-162 10-163 10-164 10-165 10-166 10-167 10-168 10-169 10-170 10-171 10-172 10-173 10-174 10-175 10-176 10-177 10-178 10-179 10-180 10-181 10-182 10-183 10-184 10-185 10-186 10-187 10-188 10-189 10-190 10-191 10-192 10-193 10-194 10-195 10-196 10-197 10-198 10-199 10-200 10-201 10-202 10-203 10-204 10-205 10-206 10-207 10-208 10-209 10-210 10-211 10-212 10-213 10-214 10-215 10-216 10-217 10-218 10-219 10-220 10-221 10-222 10-223 10-224 10-225 10-226 10-227 10-228 10-229 10-230 10-231 10-232 10-233 10-234 10-235 10-236 10-237 10-238 10-239 10-240 10-241 10-242 10-243 10-244 10-245 10-246 10-247 10-248 10-249 10-250 10-251 10-252 10-253 10-254 10-255 10-256 10-257 10-258 10-259 10-260 10-261 10-262 10-263 10-264 10-265 10-266 10-267 10-268 10-269 10-270 10-271 10-272 10-273 10-274 10-275 10-276 10-277 10-278 10-279 10-280 10-281 10-282 10-283 10-284 10-285 10-286 10-287 10-288 10-289 10-290 10-291 10-292 10-293 10-294 10-295 10-296 10-297 10-298 10-299 10-300 10-301 10-302 10-303 10-304 10-305 10-306 10-307 10-308 10-309 10-310 10-311 10-312 10-313 10-314 10-315 10-316 10-317 10-318 10-319 10-320 10-321 10-322 10-323 10-324 10-325 10-326 10-327 10-328 10-329 10-330 10-331 10-332 10-333 10-334 10-335 10-336 10-337 10-338 10-339 10-340 10-341 10-342 10-343 10-344 10-345 10-346 10-347 10-348 10-349 10-350 10-351 10-352 10-353 10-354 10-355 10-356 10-357 10-358 10-359 10-360 10-361 10-362 10-363 10-364 10-365 10-366 10-367 10-368 10-369 10-370 10-371 10-372 10-373 10-374 10-375 10-376 10-377 10-378 10-379 10-380 10-381 10-382 10-383 10-384 10-385 10-386 10-387 10-388 10-389 10-390 10-391 10-392 10-393 10-394 10-395 10-396 10-397 10-398 10-399 10-400 10-401 10-402 10-403 10-404 10-405 10-406 10-407 10-408 10-409 10-410 10-411 10-412 10-413 10-414 10-415 10-416 10-417 10-418 10-419 10-420 10-421 10-422 10-423 10-424 10-425 10-426 10-427 10-428 10-429 10-430 10-431 10-432 10-433 10-434 10-435 10-436 10-437 10-438 10-439 10-440 10-441 10-442 10-443 10-444 10-445 10-446 10-447 10-448 10-449 10-450 10-451 10-452 10-453 10-454 10-455 10-456 10-457 10-458 10-459 10-460 10-461 10-462 10-463 10-464 10-465 10-466 10-467 10-468 10-469 10-470 10-471 10-472 10-473 10-474 10-475 10-476 10-477 10-478 10-479 10-480 10-481 10-482 10-483 10-484 10-485 10-486 10-487 10-488 10-489 10-490 10-491 10-492 10-493 10-494 10-495 10-496 10-497 10-498 10-499 10-500 10-501 10-502 10-503 10-504 10-505 10-506 10-507 10-508 10-509 10-510 10-511 10-512 10-513 10-514 10-515 10-516 10-517 10-518 10-519 10-520 10-521 10-522 10-523 10-524 10-525 10-526 10-527 10-528 10-529 10-530 10-531 10-532 10-533 10-534 10-535 10-536 10-537 10-538 10-539 10-540 10-541 10-542 10-543 10-544 10-545 10-546 10-547 10-548 10-549 10-550 10-551 10-552 10-553 10-554 10-555 10-556 10-557 10-558 10-559 10-560 10-561 10-562 10-563 10-564 10-565 10-566 10-567 10-568 10-569 10-570 10-571 10-572 10-573 10-574 10-575 10-576 10-577 10-578 10-579 10-580 10-581 10-582 10-583 10-584 10-585 10-586 10-587 10-588 10-589 10-590 10-591 10-592 10-593 10-594 10-595 10-596 10-597 10-598 10-599 10-600 10-601 10-602 10-603 10-604 10-605 10-606 10-607 10-608 10-609 10-610 10-611 10-612 10-613 10-614 10-615 10-616 10-617 10-618 10-619 10-620 10-621 10-622 10-623 10-624 10-625 10-626 10-627 10-628 10-629 10-630 10-631 10-632 10-633 10-634 10-635 10-636 10-637 10-638 10-639 10-640 10-641 10-642 10-643 10-644 10-645 10-646 10-647 10-648 10-649 10-650 10-651 10-652 10-653 10-654 10-655 10-656 10-657 10-658 10-659 10-660 10-661 10-662 10-663 10-664 10-665 10-666 10-667 10-668 10-669 10-670 10-671 10-672 10-673 10-674 10-675 10-676 10-677 10-678 10-679 10-680 10-681 10-682 10-683 10-684 10-685 10-686 10-687 10-688 10-689 10-690 10-691 10-692 10-693 10-694 10-695 10-696 10-697 10-698 10-699 10-700 10-701 10-702 10-703 10-704 10-705 10-706 10-707 10-708 10-709 10-710 10-711 10-712 10-713 10-714 10-715 10-716 10-717 10-718 10-719 10-720 10-721 10-722 10-723 10-724 10-725 10-726 10-727 10-728 10-729 10-730 10-731 10-732 10-733 10-734 10-735 10-736 10-737 10-738 10-739 10-740 10-741 10-742 10-743 10-744 10-745 10-746 10-747 10-748 10-749 10-750 10-751 10-752 10-753 10-754 10-755 10-756 10-757 10-758 10-759 10-760 10-761 10-762 10-763 10-764 10-765 10-766 10-767 10-768 10-769 10-770 10-771 10-772 10-773 10-774 10-775 10-776 10-777 10-778 10-779 10-780 10-781 10-782 10-783 10-784 10-785 10-786 10-787 10-788 10-789 10-790 10-791 10-792 10-793 10-794 10-795 10-796 10-797 10-798 10-799 10-800 10-801 10-802 10-803 10-804 10-805 10-806 10-807 10-808 10-809 10-810 10-811 10-812 10-813 10-814 10-815 10-816 10-817 10-818 10-819 10-820 10-821 10-822 10-823 10-824 10-825 10-826 10-827 10-828 10-829 10-830 10-831 10-832 10-833 10-834 10-835 10-836 10-837 10-838 10-839 10-840 10-841 10-842 10-843 10-844 10-845 10-846 10-847 10-848 10-849 10-850 10-851 10-852 10-853 10-854 10-855 10-856 10-857 10-858 10-859 10-860 10-861 10-862 10-863 10-864 10-865 10-866 10-867 10-868 10-869 10-870 10-871 10-872 10-873 10-874 10-875 10-876 10-877 10-878 10-879 10-880 10-881 10-882 10-883 10-884 10-885 10-886 10-887 10-888 10-889 10-890 10-891 10-892 10-893 10-894 10-895 10-896 10-897 10-898 10-899 10-900 10-901 10-902 10-903 10-904 10-905 10-906 10-907 10-908 10-909 10-910 10-911 10-912 10-913 10-914 10-915 10-916 10-917 10-918 10-919 10-920 10-921 10-922 10-923 10-924 10-925 10-926 10-927 10-928 10-929 10-930 10-931 10-932 10-933 10-934 10-935 10-936 10-937 10-938 10-939 10-940 10-941 10-942 10-943 10-944 10-945 10-946 10-947 10-948 10-949 10-950 10-951 10-952 10-953 10-954 10-955 10-956 10-957 10-958 10-959 10-960 10-961 10-962 10-963 10-964 10-965 10-966 10-967 10-968 10-969 10-970 10-971 10-972 10-973 10-974 10-975 10-976 10-977 10-978 10-979 10-980 10-981 10-982 10-983 10-984 10-985 10-986 10-987 10-988 10-989 10-990 10-991 10-992 10-993 10-994 10-995 10-996 10-997 10-998 10-999 11-000 11-001 11-002 11-003 11-004 11-005 11-006 11-007 11-008 11-009 11-010 11-011 11-012 11-013 11-014 11-015 11-016 11-017 11-018 11-019 11-020 11-021 11-022 11-023 11-024 11-025 11-026 11-027 11-028 11-029 11-030 11-031 11-032 11-033 11-034 11-035 11-036 11-037 11-038 11-039 11-040 11-041 11-042 11-043 11-044 11-045 11-046 11-047 11-048 11-049 11-050 11-051 11-052 11-053 11-054 11-055 11-056 11-057 11-058 11-059 11-060 11-061 11-062 11-063 11-064 11-065 11-066 11-067 11-068 11-069 11-070 11-071 11-072 11-073 11-074 11-075 11-076 11-077 11-078 11-079 11-080 11-081 11-082 11-083 11-084 11-085 11-086 11-087 11-088 11-089 11-090 11-091 11-092 11-093 11-094 11-095 11-096 11-097 11-098 11-099 11-100 11-101 11-102 11-103 11-104 11-105 11-106 11-107 11-108 11-109 11-110 11-111 11-112 11-113 11-114 11-115 11-116 11-117 11-118 11-119 11-120 11-121 11-122 11-123 11-124 11-125 11-126 11-127 11-128 11-129 11-130 11-131 11-132 11-133 11-134 11-135 11-136 11-137 11-138 11-139 11-140 11-141 11-142 11-143 11-144 11-145 11-146 11-147 11-148 11-149 11-150 11-151 11-152 11-153 11-154 11-155 11-156 11-157 11-158 11-159 11-160 11-161 11-162 11-163 11-164 11-165 11-166 11-167 11-168 11-169 11-170 11-171 11-172 11-173 11-174 11-175 11-176 11-177 11-178 11-179 11-180 11-181 11-182 11-183 11-184 11-185 11-186 11-187 11-188 11-189 11-190 11-191 11-192 11-193 11-194 11-195 11-196 11-197 11-198 11-199 11-200 11-201 11-202 11-203 11-204 11-205 11-206 11-207 11-208 11-209 11-210 11-211 11-212 11-213 11-214 11-215 11-216 11-217 11-218 11-219 11-220 11-221 11-222 11-223 11-224 11-225 11-226 11-227 11-228 11-229 11-230 11-231 11-232 11-233 11-234 11-235 11-236 11-237 11-238 11-239 11-240 11-241 11-242 11-243 11-244 11-245 11-246 11-247 11-248 11-249 11-250 11-251 11-252 11-253 11-254 11-255 11-256 11-257 11-258 11-259 11-260 11-261 11-262 11-263 11-264 11-265 11-266 11-267 11-268 11-269 11-270 11-271 11-272 11-273 11-274 11-275 11-276 11-277 11-278 11-279 11-280 11-281 11-282 11-283 11-284 11-285 11-286 11-287 11-288 11-289 11-290 11-291 11-292 11-293 11-294 11-295 11-296 11-297 11-298 11-299 11-300 11-301 11-302 11-303 11-304 11-305 11-306 11-307 11-308 11-309 11-310 11-311 11-312 11-313 11-314 11-315 11-316 11-317 11-318 11-319 11-320 11-321 11-322 11-323 11-324 11-325 11-326 11-327 11-328 11-329 11-330 11-331 11-332 11-333 11-334 11-335 11-336 11-337 11-338 11-339 11-340 11-341 11-342 11-343 11-344 11-345 11-346 11-347 11-348 11-349 11-350 11-351 11-352 11-353 11-354 11-355 11-356 11-357 11-358 11-359 11-360 11-361 11-362 11-363 11-364 11-365 11-366 11-367 11-368 11-369 11-370 11-371 11-372 11-373 11-374 11-375 11-376 11-377 11-378 11-379 11-380 11-381 11-382 11-383 11-384 11-385 11-386 11-387 11-388 11-389 11-390 11-391 11-392 11-393 11-394 11-395 11-396 11-397 11-398 11-399 11-400 11-401 11-402 11-403 11-404 11-405 11-406 11-407 11-408 11-409 11-410 11-411 11-412 11-413 11-414 11-415 11-416 11-417 11-418 11-419 11-420 11-421 11-422 11-423 11-424 11-425 11-426 11-427 11-428 11-429 11-430 11-431 11-432 11-433 11-434 11-435 11-436 11-437 11-438 11-439 11-440 11-441 11-442 11-443 11-444 11-445 11-446 11-447 11-448 11-449 11-450 11-451 11-452 11-453 11-454 11-455 11-456 									

DART

DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3297	REV. D SHEET 1 OF 1
DATE 05.01.21	TITLE HOSE ASSEMBLIES		SCALE NTS
A	04.07.06	NEW ISSUE	
B	04.11.01	STRATOFLEX P/N WAS AEROQUIP P/N	
C	04.11.18	T50 CORRECTED TO TSO	
D	05.01.21	CORRECT STRATOFLEX P/N	

RELEASED
05.01.21

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 10276 MJS
1206-12

HOSE SPECIFICATION				
DART P/N	STRATOFLEX P/N	VENDOR	A	B
D3297-1-0098	156001-6D0096	API	9.75	
D3297-1-0130	156001-6D0130	API	13.00	
D3297-1-0121	156001-6D0121	API	12.13	
D3297-3-0085	156005-6D0085	API		8.50
D3297-3-0210	156005-6D0210	API		21.00
D3297-3-0350	156005-6D0350	API		35.00
D3297-5-0410	156001-4S0410	API	41.00	

D3297-1-XXXX HOSE ASSEMBLY } WHERE XXXX REPRESENTS
D3297-3-XXXX HOSE ASSEMBLY } HOSE LENGTH IN TENTHS OF INCH
D3297-5-XXXX HOSE ASSEMBLY }

EG: 12.125" LONG: D3297-1-0121
41.00" LONG: D3297-5-0410
8.50" LONG: D3297-3-0085

NOTES:

- 1) IDENTIFY WITH DART P/N & B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) HOSE ASSEMBLIES TO MEET THE REQUIREMENTS OF TSO-C53a TYPE "A"

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36685

Purchase Order Date 6/13/2017
PO Print Date 6/13/2017

Page Number 2 of 8

Order From :

AVIALL
PO BOX 842275

DALLAS, TX 75284-2275
USA

VU-AVI003

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905-676-1695

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

EXW - (Ex Works)

Line Total:

\$1,840.00

4 156005-6D0210

Hose Assembly

6/20/2017

Yes

6/20/2017

2.00

Each

\$120.21

\$240.42

AS PER DWG D3297 REV. D
B162746

5017-6-19

DAG
38
9-89

Line Total:

\$240.42

5 AN3-13A

Bolt

6/20/2017 FN

Yes

6/20/2017

50.00

Each

\$0.13

\$6.50

Line Total:

\$6.50

6 AN3-35A

Bolt

6/20/2017 FN

Yes

6/20/2017

50.00

Each

\$0.47

\$23.50

Line Total:

\$23.50

PO Instructions: Fedex Acc#151793240

Note:

6/13/2017



PACKING LIST



DELIVERY NUMBER: 8004585387

ROUTE: US FedEx International Economy

PAGE:1 of 1

DATE:14JUN17

TIME:15:23:26

EMP:00000000

ORD TYP: ZOR 169

CURRENCY:USD

TERMS:Net 30

CUSTOMER PO:36685
ORDER NUMBER:1003178280
ORDER DATE:13JUN17

B 10003952
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
T CANADA
O

S 10003952
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA
O

S 1009
H AVIALL DALLAS HOSE SHOP
I DALLAS HOSE SHOP
P 2755 REGENT BLVD
F DFW AIRPORT TX 75261
R USA
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	1S	156003-6D0274 HOSE: MED PRESSURE,RUBBER	6	6	0	EA		204.15	1,224.90
			BATCH 100125506		6					
00020	0	1S	156003-6D0590 HOSE: MED PRESSURE,RUBBER	4	4	0	EA		248.76	995.04
			BATCH 100125507		4					
00030	0	1S	156062D1054D000 HOSE: MED PRESSURE,RUBBER	4	4	0	EA		460.00	1,840.00
			BATCH 100125508		4					
00040	0	1S	156005-6D0210 HOSE: MED PRESSURE,RUBBER,ASSEMB LY	2	2	0	EA		120.21	240.42
			BATCH 100125509		2					

DAS
38
9-89

This is not an Invoice.
For payment processing, please refer to Invoice.

SP176-19

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.
Diversion contrary to U.S. Law is prohibited.

CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Global Quality

14JUN17
Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL
RETURNED MERCHANDISE SUBJECT TO HANDLING
FEE.

THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938
AMENDED.

CUSTOMER COPY



Hose Shop 2755 Regent Blvd, Dfw Airport, TX 75261

Phone: 972-586-1380

Fax: 972-586-1381

WWW.AVIALL.COM

TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such parts and/or materials are new and are in condition for safe operation.

Aviall Order Number: 1003178280

0010: 156003-6D0274	6 ea.	0020: 156003-6D0590	4 ea.
0030: 156062D1054D000	4 ea.	0040: 156005-6D0210	2 ea.

Signed: _____

Date: 06/14/2017

Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43. If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.